

#5 11
Page 1 of 8
4/24/01 270
OIPE

RAW SEQUENCE LISTING DATE: 10/19/2000
PATENT APPLICATION: US/09/685,696 TIME: 15:06:07

3 <110> APPLICANT: Wang, Tongtong
4 Fan, Ligu
5 Kalos, Michael D.
6 Bangur, Chaitanya S.
7 Hosken, Nancy
8 Fanger, Gary R.
9 Li, Samuel X.
10 Wang, Aijun
11 Skeiky, Yasir A.W.
12 Henderson, Robert A.
13 McNeill, Patricia D.
18 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
19 AND DIAGNOSIS OF LUNG CANCER
21 <130> FILE REFERENCE: 210121.455C13
C--> 23 <140> CURRENT APPLICATION NUMBER: US/09/685,696
24 <141> CURRENT FILING DATE: 2000-10-09
26 <160> NUMBER OF SEQ ID NOS: 381
28 <170> SOFTWARE: FastSEQ for Windows Version 3.0
30 <210> SEQ ID NO: 1
31 <211> LENGTH: 315
32 <212> TYPE: DNA
33 <213> ORGANISM: Homo sapien
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (1)...(315)
38 <223> OTHER INFORMATION: n = A,T,C or G
40 <400> SEQUENCE: 1
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42 cagctgcgcgtt gagactcccg atgtcacagg cagtcgtgtt ggttacacgc cccctcgatg 120
43 ttcatctcca gcagacaca ccggaggagc tcccacccagg acggttctca ttatttatat 180
W--> 44 gttaatatgt ttgttaaactc atgtacagg ttttttgggg gggaaagcaat gggaaangtta 240
W--> 45 naaattacaa atagaatcat ttgtctgtat ctttaaatgg caaacggtca ggcacacgtga 300
46 aaaaaaaaaaaaaa 315
48 <210> SEQ ID NO: 2
49 <211> LENGTH: 380
50 <212> TYPE: DNA
51 <213> ORGANISM: Homo sapien
53 <400> SEQUENCE: 2
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55 atatatataaa acaaatacaa aaagttttgc gtgggtcagc ttttttattttttatgg 120
56 cataactttt aacaacactg ctctgtatgc ggttgaactg tggtaactcg actgagataa 180
57 ctggaaatggatggatgtatgc gtgttattgc ataattatcc cactatgg caaaaggact 240
58 ggataaaatcc ccagtttgc ttatgttgc ttgttaacca tcaagcacct agaagaagaa 300
59 ttatggaaa ttgttgcctc tgtaactggc actttgggggt gtgacttatac ttttgcctt 360
60 gtaaaaaaaaaaaaaaaa 380
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 346

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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/685,696

DATE: 10/19/2000
 TIME: 15:06:07

Input Set : A:\455c13.app
 Output Set: N:\CRF3\10192000\I685696.raw

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64 <212> TYPE: DNA
65 <213> ORGANISM: Homo sapien
67 <220> FEATURE:
68 <221> NAME/KEY: misc_feature
69 <222> LOCATION: (1)...(346)
70 <223> OTHER INFORMATION: n = A,T,C or G
72 <400> SEQUENCE: 3
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74 catcctcacc atacaccatc cactttccaa taacatttaa tcctttctaa aattgttaatg 60
75 atacaattgt acattttttt gattttcata acaaataatac catagactgt taattttatt 120
76 gaagtttccct taatggatg agtcattttt gtcttgcgt tttgaggta cctttgcattt 180
77 gacttccaac aatttgatca tatagtgtt agctgtggaa atctttaatgt ttattttata 240
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80 <210> SEQ ID NO: 4
81 <211> LENGTH: 372
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83 <213> ORGANISM: Homo sapien
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86 <221> NAME/KEY: misc_feature
87 <222> LOCATION: (1)...(372)
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92 tggtttgggtt tggttttttt aactgtgtatg taggttgggtt cacagttctta atgttaac 60
93 tcttttctcc aagtgtgtgt ttgtggggac aatcattttt tgaacattttt agaggaaaggc 120
94 agttcaagct gtggaaaaga ctatgtcttta tttttttttt taaagacttta cttgacgtca 180
W--> 95 gtggacagt gcacgtgcct tacgttacat ctgttttttctt aggaagaagg ggatgcnggg 240
W--> 96 aaggantggg tgctttgtga tggataaaaac gnctaaataa cacaccttttta cattttgaaa 300
97 aaaaacaaaaac aa
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100 <211> LENGTH: 698
101 <212> TYPE: DNA
102 <213> ORGANISM: Homo sapien
104 <220> FEATURE:
105 <221> NAME/KEY: misc_feature
106 <222> LOCATION: (1)...(698)
107 <223> OTHER INFORMATION: n = A,T,C or G
109 <400> SEQUENCE: 5
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112 gcataaagcc aatgttagtcc agtttctaaatg atcatgttcc aagctaaactg aatccactt 180
113 caatacacacatcataactc ctgtggaaac aataaacaggc ccaagctgtt ggtatgtatgt 240
114 gcacacttgc tagactcaga aaaaataacta ctctcataaa tgggtggggat tattttgggt
W--> 115 gacaacctac ttgttttgc tgagtgtt aatgtatccat atatnttcat ttatccatg 300
116 gacatttagt tagtgcattt tatataccat gcatgtatgtt gatgttactt cttgttata 360
W--> 117 tntccaaatn ttmgtnengt cgctgcacat atctgaaatc ctatattaag antttccaa 420
W--> 118 natgangtcc ctgtttttc cagccactt gatcngtcaa ngatctcacc tctgtntgtc 480
W--> 119 ctaaaacnt ctntnnnang gttagacngg acctcttcc tcccttcccg aanaatnaag 540
W--> 120 tgtgngaaga nancncncn cccccctncc tncnnccctng ccngctnnnc cncntgttgg 600
660

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RAW SEQUENCE LISTING
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Input Set : A:\455cl3.app
Output Set: N:\CRF3\10192000\I685696.raw

W--> 121 gggngccgc cccgccccgg gaccccccnn ttttcccc 698
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124 <211> LENGTH: 740
125 <212> TYPE: DNA
126 <213> ORGANISM: Homo sapien
128 <220> FEATURE:
129 <221> NAME/KEY: misc_feature
130 <222> LOCATION: (1)...(740)
131 <223> OTHER INFORMATION: n = A,T,C or G
133 <400> SEQUENCE: 6
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136 gccaatattt ccttatactt atccataaca ttataactac atttgaaga gaatatgcac 180
137 gtgaaactt aacactttata aggtaaaaat gaggtttcca agatthaata atctgtacaa 240
138 gttctgttta ttccaaataa gaatggactt ggtctgttaa gggctaaagg gagaagaaga 300
139 agataagggtt aaaaatgtt aatggccaaa cattctaaaaa gaaatgcacaaa aaaaattttt 360
W--> 140 ttttcaaggcc ttgcactatc ttaaggaaag caaaatcattt tcttanatgc atatcatttg 420
W--> 141 tgagantttc tcantaatat cctgaatcat tcatttcagc tnaggttctt tggactcg 480
W--> 142 atatgtcatc tagggaaagt ctatttcatg gtccaaaccc gtggccatag ttgtttagggc 540
W--> 143 ttccctttaa ntgtgaanta ttacangaa attttctt tnanagttct tnatagggtt 600
W--> 144 aggggtgtgg gaaaaggcttc taacaatctg tagtgttmcg tttatctgt ncagaacccan 660
W--> 145 aatnacggat cgnangaaacttgggtctta ttacangaa cgaatnatctt ngttnnntgt 720
W--> 146 gttnncaact ccngggagcc 740
148 <210> SEQ ID NO: 7
149 <211> LENGTH: 670
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapien
153 <220> FEATURE:
154 <221> NAME/KEY: misc_feature
155 <222> LOCATION: (1)...(670)
156 <223> OTHER INFORMATION: n = A,T,C or G
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160 acggcccccgc ctgcgtatggc ccgggtgtc tcagttagca gcggcccgctc ggcgtacgt 120
161 ctgggtatc aggagctgtt ccggggccac acgaagaccg cgagttccgt ggcacacgc 180
162 ccaagggtca ctcgggtgcc tggagtgtcg acggggctcg cctacatctgg ggtcttcgac
W--> 163 aagacggccac gtcttcttgc tgganaanga ccgttggca aaaaaacaaat ttagccggga 240
164 catggggata gtgtggacca ctttgttgc atccaagttt ccgttgccta ttgttacgg 300
165 cgtctggaa taaaaccattt cgcacatctgg atgtggggac taaaatgc attggccactg 360
W--> 166 tggacactaa agggggaaac attatattt gtcggantcc tgatggcan acattgtcg 420
W--> 167 tagcnacaag gatgtatgtgg tgactttttt gatgcagaaga aaccgggttc caaagaaaa 480
W--> 168 aaacantttc aanttcgaag tcaccnaaat ctccctggaaat aatgaacatn aatattttt 540
W--> 169 tcctgacataa ggnccctggg ttttttttttccctgacat ctcgtacgtcc cccaaactg aancctgtnc 600
W--> 170 natccaccc 660
172 <210> SEQ ID NO: 8
173 <211> LENGTH: 689
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapien
177 <220> FEATURE:

Please Note:-

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
 PATENT APPLICATION: US/09/685,696

DATE: 10/19/2000
 TIME: 15:06:09

Input Set : A:\455c13.app
 Output Set: N:\CRF3\10192000\I685696.raw

L:23 M:270 C: Current Application Number differs, Wrong Format
 L:44 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:45 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
 L:78 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
 L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
 L:96 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
 L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:115 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:117 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:118 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:119 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:120 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:121 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
 L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
 L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:167 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:168 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:170 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
 L:187 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:188 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:189 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:192 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:194 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
 L:217 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:218 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
 L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
 L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:274 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:276 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:277 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
 L:299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
 L:300 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

VERIFICATION SUMMARY

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Input Set : A:\455c13.app

Output Set: N:\CRF3\10192000\I685696.raw

L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:302 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:315 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14